PATENT
P56355

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

SEUNG-BEOM CHOI

Serial No.:	*to be assigned*	Examiner:	*to be assigned*
Filed:	5 April 2001	Art Unit:	*to be assigned*

For: COMPUTER SYSTEM AND METHOD FOR STORING TV SIGNALS THEREIN

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner
        for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites,

provides copies and discusses the following art references:

1.   Korean Patent First Publication No. 003127/1993 to Sung-Won Cho, entitled

METHOD OF CONTROLLING A VIDEO CASSETTE RECORDER BY USING A

COMPUTER CONNECTED TO THE VIDEO CASSETTE RECORDER, published

on 24 February 1993, discloses a method of controlling a video cassette recorder by

using a computer connected to the video cassette recorder, said method comprising:

generating a character signal of a mode selection on a monitor for selecting an

operation mode (that is, a computer operation or a video cassette recorder operation)

-1-

when a power is supplied to the computer; displaying on the monitor the characters

of a function key matrix or a reserve-recording when the character signal for an

operation of the video cassette recorder is input; performing the respective functions

of the video cassette recorder if the key signal of the function key matrix is input;

performing the reserve-recording, if the reserve-recording signal is input, and by

storing the reservation signal in a disk and then providing the video cassette recorder

with said reservation signal when time for reserve-recording approaches. In Cho

patent, Fig. 1 is a view showing a connection of a computer and a VCR for

controlling a VCR by using a computer, Fig.2 is a flow chart showing the control of

the VCR by a computer, and Fig.3 is an example of a monitor screen.

2.   Korean Patent First Publication No. 008138/1997 to Bong-Chul OH, entitled

METHOD OF PROG RAMMING FOR RECORDING A TV BROADCASTING

CHANNEL BY USING A COMPUTER CONNECTED TO THE TV, published on 24

February 1997, discloses a reserve-recording of a TV broadcasting channel by using

a computer system connected to a TV and a VTR. A method of reserve-recording of

a TV broadcasting channel, said method comprising: setting and entering data of a

title, a starting time, an ending time, a date, and an offset time of a program; storing

the data in a memory unit within the computer; scanning the broadcasting channel

automatically when time for reserve-recording approaches; starting the recording of

a program when the program is identified by scanning; and finishing the recording

when the ending time of reserve-recording comes. Therefore, this invention substantially decreases a failure rate of a reserve-recording because the starting time of a reserve-recording is reset by the method of recognizing a title of a program of a broadcasting channel through sound and character signals.

3.   Korean Patent First Publication No. 016781/1998 to Yoon-Soo Shin, entitled *METHOD OF PROGRAMMING FOR RECORDING IN A VCR BY USING A COMPUTER CONNECTED TO THE VCR*, published on 5 June 1998, discloses the method of programing for a reserve-recording in a VTR by using a computer connected to the VCR. This invention is to achieve improvement in reserve-recording in a VCR performed by a personal computer. A method of programming for a reserve-recording in a VCR by using a computer connected to the VCR, said method comprising: downloading a menu for an online reserve-recording; displaying the downloaded menu; selecting a program for a reserve-recording in the menu; and transmitting to a VTR the data for the reserve-recording of the program through a transmitting part in a remote-controller.

4.   Korean Patent First Publication No. 017887/1998 to Ki-Bok Moon, entitled *METHOD OF PROGRAMMING FOR RECORDING IN A PC-VCR*, published on 5 June 1998, discloses the method comprising: the first step of deciding a KBPS transmission mode of a PC; the second step of transmitting data reserved in a

microprocessor within a VCR to a microprocessor within the PC through a communication port if, in the first step, it is a KBPS transmission mode and, if it is not a KBPS transmission mode, the step of finishing; the third step of indicating in the PC the data based on the transmitted data; the fourth step of deciding whether the reservation is finished; the fifth step of displaying on the PC monitor all the broadcast programs classified by the items based on the KBPS data when the reservation is not finished and the step of finishing when the reservation is finished; the sixth step of a user's selection of the programs according to the user's needs; the seventh step of receiving the selected programs in the sixth step in the microprocessor of the PC, changing a format of the KBPS data to a format for transmission, and transmitting them to the microprocessor within the VCR; the eighth step of deciding whether there is a problem in the received data in the microporcessor of the VCR; the ninth step of storing and performing the received data if there is no problem found in the eighth step; and the tenth step of transmitting error messages to the PC if there is a problem found in the eighth step and finishing the programming.

5. . Korean Patent First Publication No. 041359/1999 to Kyu-Nam Kim, entitled *METHOD OF STORING INFORMATION ABOUT INTERNET SITES*, published on 15 June 1999, discloses the method of storing in a VTR searched information from internet sites. When the processor in a personal computer is connected to a certain website, the searched information from the internet websites is recorded in the VTR

for a certain time by applying the recording key signal. Therefore, the information of the websites can be easily stored without expanding the internal memory capacity of the computer.

6.   Korean Patent First Publication No. 004315/2000 to Sham Lee, entitled *METHOD OF CONTROLLING A POWER OF A DIGITAL TELEVISION HAVING A PERSONAL COMPUTER FUNCTION AND A TELEVISION FUNCTION*, published on 25 January 2000, discloses the method of controlling a power of a digital television having a personal computer function and a television function. There has been the prescribed power control process which is conformable to the DTMS standard in the computer monitor. This invention suggests an improved power control process by integrating a television function and a computer function into a digital television.   The present invention presents the following power control process in a TV mode and a PC mode: the step of deciding whether the digital television having a personal computer function and a television function is in a television mode when a power is supplied; the step of ignoring the status of a receiving signal by resetting a non-signal flag and initializing peripheral elements when it is in a television mode; the step of performing a certain television process by loading the data stored in EPROM; the step of deciding by a non-signal flag whether a horizontal sync signal and a vertical sync signal are received when it is in a computer mode; the step of operating in a normal power mode if a horizontal sync

signal and a vertical sync signal are normal; and the step of operating in a standby power mode if horizontal sync signal or a vertical sync signal is a non-signal. Therefore, the digital televisions having the method of the present invention reduce power consumption.

7.   Japanese Patent First Publication No. 9-128090 to Sato, entitled *VTR-INCORPORATED PERSONAL COMPUTER*, published on 16 May 1997, discloses a VTR-incorporated personal computer which saves labor for connecting or setting up a personal computer (PC) at the time of utilizing a VTR and to improve operability. In addition to conventional PC functions, a video deck is built in the Sato '090 PC so that many extended slots can be used. When a video input terminal and a video output terminal are formed on the rear face of the PC, another video deck can be connected. Software to be driven by Windows is used for the operation of the video deck and basic operation such as reproducing, fast forwarding, rewinding, and recording, can be attained by depressing a button on the Windows. Also, power is always supplied to a timer part in the VTR to attain timer recording. The VTR can be utilized also as a backup medium for data in a hard disk.

8.   Japanese Patent First Publication No. 10-177777 to Nakajima, entitled *PROGRAM RESERVATION SYSTEM AND RECORDING MEDIUM*, published on 30 June 1998, discloses a program reservation system in which a reservation time can be changed

corresponding to change of a broadcasting time of a program. In the Nakajima '777 system, when reservation of a program is indicated by a user, a personal computer downloads a program reservation information file in which program reservation information for reserving an indicated program is stored from a WWW server, a reservation signal is generated based on the program reservation information, and it is transmitted to a video. The video sets reservation of video recording conforming to a received reservation signal. The personal computer downloads the program reservation information file again from the WWW server several minutes before a start time of a reserved program, and checks whether change of a start time and the like are performed or not. When it is changed, the personal computer transmits a reservation change signal indicating change of reservation. The video changes setting of reservation of video recording conforming to a received reservation change signal.
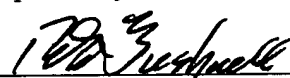
9. Japanese Patent First Publication No. 11-110089 to Kashimoto *et al.*, entitled *COMPUTER SYSTEM AND NETWORK CONTROLLER USED BY SAME COMPUTER SYSTEM*, published on 23 April 1999, discloses a computer system which improves power-saving effect by restoring a power source state only when a packet addressed to this system is received. In a LAN card of the Kashimoto '089 computer system, it is determined whether a received packet is addressed to this computer and only when so, an interruption signal to a CPU 211 is generated to

restore the power source state from a low power-source ON state to a normal power-source ON state. Therefore, it can be determined whether the packet is a packet that this computer should process in a standby state without actuating a network driver, and consequently while environment wherein packet reception addressed to this computer is always responded to, is maintained, sufficient power-saving effect can be obtained.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relative arts.

No fee is incurred by this Statement.

Respectfully submitted,

Robert E. Bushnell
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
Area Code: 202-638-5740

Folio: P56355
Date: 5 April 2001
I.D.: REB/kf